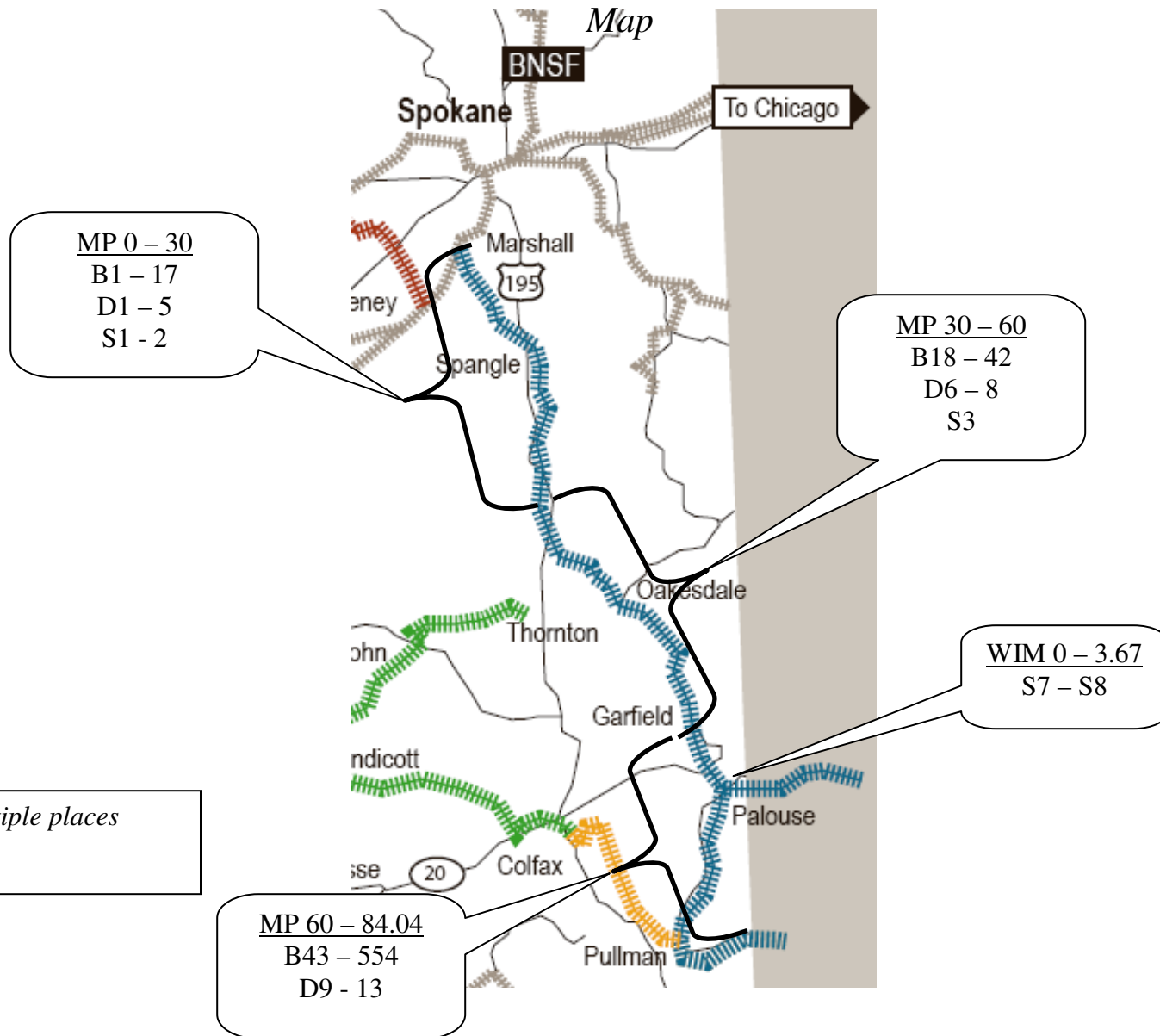


30% Potential Projects & Cost Estimate List
P & L Subdivision – Marshall to “Wilson”
MP 1.0 – 84.04

WIM Subdivision – Palouse to Idaho Border
MP 0.0 – 3.67

Map



30% Potential Projects and Cost Estimate List
P & L Subdivision - Marshall to "Wilson"
MP 1.0 - MP 84.04
WIM Subdivision - Palouse to Idaho Border
MP 0.0 - 3.67

Bridge Rehab Items

Item	Location	Potential Project Items	Prevent Service Disruption Anticipated Within Two Years	Prevent Service Disruption Anticipated Within Five Years	Avoid Further Deterioration For Five Years
B1	Br 3.90 Repairs				
		Replace Bridge Cap		\$7,000	
B2	Br 9.80 Repairs				
		Replace Grout Pad		\$1,600	
B3	Br 13.24 Repairs				
		Surface Dumps	\$7,000		
B4	Br 14.40 Repairs				
		Surface Dumps		\$7,000	
B5	Br 16.25 Repairs				

		Shim Bent	\$600		
		Surface Dumps	\$7,000		
B6	Br 17.63 Repairs				
		Surface Dumps	\$7,000		
B7	Br 17.82 Repairs				
		Surface Dumps		\$7,000	
B8	Br 20.37 Repairs				
		Post Tmbr Piling		\$4,000	
		Surface Dumps		\$7,000	
B9	Br 21.92 Repairs				
		Shim Bent	\$600		
		Surface Dumps		\$7,000	
B10	Br 23.77 Repairs				
		Post Tmbr Piling		\$4,000	
B11	Br 23.89 Repairs				
		Surface Dumps		\$7,000	
B12	Br 24.89 Repairs				
		Replace Bridge Tie		\$3,250	
		Replace Timber Bridge Stirnger		\$6,000	
B13	Br 27.67 Repairs				
		Replace Bridge Cap		\$10,500	
B14	Br 28.85 Repairs				
		Replace Bridge Tie		\$3,250	

		Shim Chord		\$600	
		Surface Dumps	\$7,000		
B15	Br 28.90 Repairs				
		Surface Dumps	\$7,000		
B16	Br 29.46 Repairs				
		Surface Dumps	\$7,000		
B17	Br 30.20 Repairs				
		Surface Dumps		\$7,000	
B18	Br 30.53 Repairs				
		Surface Dumps		\$7,000	
B19	Br 30.95 Repairs				
		Replace Bridge Tie	\$9,000		
		Replace Subcap		\$7,000	
		Surface Dumps		\$7,000	
B20	Br 31.27 Repairs				
		Post Tmbr Piling		\$4,000	
		Replace Subcap		\$7,000	

B21	Br 31.80 Repairs				
		Shim Chord		\$600	
		Surface Dumps		\$7,000	
B22	Br 32.12 Repairs				
		Replace Bridge Handrails	\$750		
		Walkways	\$3,000		

		Headwall		\$6,000	
B23	Br 33.77 Repairs				
		Surface Dumps		\$7,000	
B24	Br 34.79 Repairs				
		Frame Out Bent	\$15,000		
		Surface Dumps	\$7,000		
B25	Br 37.36 Repairs				
		Surface Dumps		\$7,000	
B26	Br 39.94 Repairs				
		Replace Bridge Tie		\$6,250	
B27	Br 40.52 Repairs				
		Replace Bridge Tie		\$6,500	
B28	Br 41.06 Repairs				
		Replace Bridge Tie		\$3,250	
B29	Br 41.13 Repairs				
		Frame Out Bent	\$15,000		
		Replace Bridge Tie		\$10,400	
B30	Br 41.84 Repairs				
		Frame Out Bent	\$15,000		
		Replace Bridge Tie		\$9,000	
B31	Br 42.30 Repairs				
		Post Tmbr Piling		\$4,000	

B32	Br 43.30 Repairs				
		Refasten Walkway Planks	\$580		
		Surface Dumps	\$7,000	\$7,000	
B33	Br 46.26 Repairs				
		Shim Bent	\$600		
		Surface Dumps		\$7,000	
B34	Br 49.86 Repairs				
		Post Tmbr Piling		\$4,000	
B35	Br 52.06 Repairs				
		Shim Bent		\$1,200	
		Surface Dumps	\$7,000		

B36	Br 52.29 Repairs				
		Place Riprap		\$3,600	
B37	Br 52.73 Repairs				
		Surface Dumps		\$7,000	
		Replace Bridge Tie		\$12,250	
B38	Br 53.60 Repairs				
		Replace Subcap	\$7,000		
		Surface Dumps		\$7,000	
		Post Tmbr Piling		\$4,000	
B39	Br 54.51 Repairs				
		Replace Bridge Tie		\$15,250	
		Surface Dumps		\$7,000	

B40	Br 56.45 Repairs				
		Shim Chord		\$600	
		Replace Cross Blocks		\$9,600	
		Walkways		\$4,500	
		Replace Bridge Handrails		\$1,500	
B41	Br 58.91 Repairs				
		Post Tmbr Piling	\$2,000		
		Install Anchor Bolt Nuts		\$3,200	
		Replace Blocks in Bent	\$2,000		
		Replace Sill	\$3,500		
B42	Br 61.74 Repairs				
		Replace Subcap		\$3,500	
		Surface Dumps		\$7,000	
B43	Br 63.78 Repairs				
		Surface Dumps		\$7,000	
B44	Br 65.18 Repairs				
		Replace Subcap		\$3,500	
B45	Br 69.72 Repairs				
		Surface Dumps		\$7,000	
B46	Br 70.92 Repairs				
		Replace Bridge Tie		\$11,750	
		Surface Dumps		\$7,000	
B47	Br 76.85 Repairs				
		Place Riprap	\$3,600		

		Surface Dumps		\$7,000	
B48	Br 77.61 Repairs				
		Surface Dumps		\$7,000	
B49	Br 78.68 Repairs				
		Surface Dumps		\$7,000	

B50	Br 79.87 Repairs				
		Surface Dumps		\$7,000	
B51	Br 81.10 Repairs				
		Wingwalls	\$14,000		
		Surface Dumps		\$7,000	
		Replace Timber Bridge Stirnger		\$6,000	
		Replace Subcap		\$3,500	
B52	Br 83.90 Repairs				
		Place Riprap		\$7,200	
		Surface Dumps		\$7,000	
B53	Br 84.30 Repairs				
		Shim Bent	\$600		
B54	Br 84.70 Repairs				
		Surface Dumps	\$7,000		
		Post Timbre Piling		\$4,000	
Drainage / Ditching Items					
D1	MP 12 Area Ditching				
		Ditching			\$9,240

D2	MP 13.13 Culvert Repair				
		Repair Pipe and Roadbed	\$8,000		
D3	MP 17 - 18 Area Ditching				
		Ditching			\$22,176
D4	MP 20 - 21 Area Ditching				
		Ditching			\$27,720
D5	MP 27 -28 Area Ditching				
		Ditching			\$18,480
D6	MP 30 - 32.5 Area Ditching				
		Install Pipe	\$6,000		
		Ditching			\$18,480
D7	MP 34 Area Ditching				
		Ditching			\$9,240
D8	MP 48 Area Ditching				
		Ditching			\$9,240

D9	MP 60 - 61 Area Ditching				
		Ditching			\$9,240
D10	MP 64 Area Ditching				
		Ditching			\$9,240
D11	MP 72 to 73 Area Ditching				
		Ditching			\$9,240

D12	MP 79 Area Ditching				
		Ditching			\$18,480
D13	MP 81 Area Ditching				
		Ditching			\$9,240

Spot and Track Repairs

S1	1.0 - 1.04 Rail		\$31,680		
		Furnish & Install 112# Plus Relay Rail			
S2	MP 24 - 32.2 Repairs		\$152,450		
		Furnish & Install Cross Ties			
		Furnish & Unload Ballast			
		Surface Line and Dress Track			

S3	MP 37 - 45.4 Repairs		\$221,260		
		Furnish & Install Cross Ties			
		Perform Minor Joint Rehab			
		Furnish & Unload Ballast			
		Surface Line and Dress Track			
S4	Detressing		\$28,000		
		Destressing and Closure Welds			
S5	Gaging		\$70,680		
		Furnish & Install Cross Ties @ Gauging Areas			
		Reguaging			
S6	General Repairs Other				

		Furnish and Install Switch Ties			\$28,800
		Surface Turnout			\$6,000
		Furnish & Install Cross Spot Ties	\$31,200		
		Perform Minor Joint Rehab			\$7,680
		Surface Line and Dress Track			\$53,856
		Furnish & Unload Ballast			\$63,000
		Rehab Pub Crossing Track	\$38,400		
		Furnish and Install new timber surface	\$16,640		
		Rehab Pvt Crossing Track	\$3,600		
		Furnish and Install new timber surface	\$2,160		
S7	WIM MP 1.3 to 1.35		\$3,712		
		Furnish & Unload Ballast			
		Surface Line and Dress Track			
S8	WIM MP 1.3 to 2.3		\$8,000		
		Destressing and Closure Welds			
S9	WIM General Repairs Other		\$25,500		
		Perform Minor Joint Rehab			
		Surface Line and Dress Track (Spot)			

		Furnish & Install Cross Ties @ Gauging Areas			
		Reguaging			
		Furnish & Unload Ballast			